



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

MATERIAL STANDARD

FOR
FLAME ARRESTERS

NPCS-MS-IN-26

REVISION : 0

JUNE 1992

THIS DOCUMENT IS THE PROPERTY OF N.P.C. IT IS CONFIDENTIAL AND ALL RIGHTS RESERVED. TO THE OWNER NEITHER THE WHOLE NOR ANY PART OF THIS DOCUMENT MAY BE DISCLOSED TO ANY THIRD PARTY, REPRODUCED, STORED IN ANY RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR ANY MEANS WITHOUT THE PRIOR WRITTEN CONSENT OF N.P.C.



CONTENTS

- 1 GENERAL
- 2 DESIGN AND CONSTRUCTION
- 3 NAMEPLATE
- 4 TESTING
- 5 ENVIRONMENTAL CONDITIONS
- 6 SHIPPING
- 7 REJECTION

THIS DOCUMENT IS THE PROPERTY OF N.P.C. IT IS CONFIDENTIAL AND ALL RIGHTS RESERVED, TO THE OWNER NEITHER THE WHOLE NOR ANY PART OF THIS DOCUMENT MAY BE DISCLOSED TO ANY THIRD PARTY, REPRODUCED, STORED IN ANY RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR ANY MEANS WITHOUT THE PRIOR WRITTEN CONSENT OF N.P.C.

1 GENERAL

1.1 SCOPE

1.1.1 This standard forms the minimum requirements for the design, materials, nameplate, marking, testing and shipping of flame arresters, breather valves and vents.

1.1.2 The related standards referred to herein and mentioned below shall be of the latest editions prior to the date of the purchaser's enquiry:

- ANSI B 16.5 Pipe Flanges and Flange Fittings.
- API RP2000 Venting Atmospheric and Low Pressure Storage Tanks (nonrefrigerated and refrigerated).

1.1.3 In the event of any conflict between this standard and data sheets, related standards, codes, etc., the vendor should refer the matter to the purchaser for clarifications and after obtaining the same should proceed with the manufacture of the items in question.

1.1.4 Purchaser's data sheets indicate the body size and material of the flame arrester, breather valves and vents. However this does not absolve the vendor of the responsibility for proper selection with respect to the following:

Flame arrester

- a) Selection of a flame arrester of suitable size for the breathing rates and tank pressure and vacuum indicated in the purchaser's data sheets.
- b) Proper selection of materials for the body, internals and other parts of the flame arrester so as to be compatible with the fluid and its operating conditions indicated.

Breather Valve

- a) Selection of a breather valve of suitable size for the breathing rates, pressure and vacuum settings and tank data indicated in purchaser's data sheets.